

## CLAIM AMENDMENTS

### IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Currently Amended) A ~~single-wheel~~ radial flow gas turbine comprising:  
a rotatable wheel having an interior side;  
a ~~radial-flow~~ centrifugal compressor section disposed on said interior side of said wheel;

**wherein the compressor section comprises a spoked pattern of fins, each fin being a continuous raised fin extending along a radius of the rotatable wheel, such that a substantially linear and uninterrupted channel is formed between each successive fin;**

a radial outward flow turbine section disposed on said interior side of said wheel, said turbine section being located radially outward from said compressor section; and

a stationary shroud having a combustor section and a nozzle section disposed radially between said compressor section and said turbine section;

~~said combustor section having at least one fuel injector;~~

~~wherein air flows generally radially through said compressor section, said combustor section, said nozzle section, and said turbine section.~~

2. (Original) The gas turbine of claim 1 further comprising a generator/starter coupled to said wheel for starting said gas turbine and absorbing energy from said wheel.

3. (Original) The gas turbine of claim 1 wherein said combustor section comprises at least one water injector radially downstream from said at least one fuel injector.

4. (Currently Amended) A ~~single-wheel~~ radial flow gas turbine consisting essentially of:

a single, rotatable wheel having an interior side;

a ~~radial-flow~~ centrifugal compressor section disposed on said interior side of said wheel;

wherein the compressor section comprises a spoked pattern of primary fins, each primary fin extending in a continuous direction along a radius of the rotatable wheel such that the primary fins form a single concentric row;

a radial outward flow turbine section disposed on said interior side of said wheel, said turbine section being located radially outward from said compressor section; and

a stationary shroud having a radial flow combustor section and a nozzle section disposed radially between said compressor section and said turbine section;

~~wherein air flows generally radially through said compressor section, said combustor section, said nozzle section, and said turbine section.~~

5. (New) The gas turbine of Claim 1, wherein the fins are arranged such that a particle entering the gas turbine at the midpoint of the rotatable wheel will follow a substantially spiral path through the compressor section.

6. (New) The gas turbine of Claim 5, wherein the spiral path does not deviate from the direction of rotation of the wheel during operation of the gas turbine.

7. (New) The gas turbine of Claim 1, wherein the fins are arranged in a single concentric row.

8. (New) The gas turbine of Claim 1, wherein the fins are of varying lengths.

9. (New) The gas turbine of Claim 1, wherein the turbine comprises a concentric pattern of impulse type turbine blades.

10. (New) The gas turbine of Claim 1, further comprising fuel injectors attached to the shroud.

11. (New) The gas turbine of Claim 4, wherein the fins are arranged such that a particle entering the gas turbine at the midpoint of the rotatable wheel will follow a substantially spiral path through the compressor section.

12. (New) The gas turbine of Claim 11, wherein the spiral path does not substantially deviate from the direction of rotation of the wheel during operation of the gas turbine.

13. (New) The gas turbine of Claim 4, wherein the fins are of varying lengths.

14. (New) The gas turbine of Claim 4, wherein the turbine comprises a concentric pattern of impulse type turbine blades.

15. (New) The gas turbine of Claim 4, further comprising fuel injectors attached to the shroud.

16. (New) The gas turbine of Claim 4, wherein the turbine has a second set of fins interposed between said primary fins.